Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/17/2021 09:29 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 09:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124547	-1	1.29	124449	1.27
Blue	F	SSC	125000	123619	-2	2.66	123865	2.53
Blue	E	FITC	13131	12717	-4	2.49	294	15.76
Blue	D	PE	24112	23649	-2	1.84	544	10.87
Blue	B	PerCP-Cy5-5	31295	30649	-3	3.27	1014	14.78
Blue	A	PE-Cy7	19939	19521	-3	5.49	518	29.53
Red	C	APC	42122	41410	-2	2.82	1739	11.28
Red	A	APC-Cy7	22340	21572	-4	3.20	809	11.66
Violet	B	V450	7410	7037	-6	3.44	439	12.36
Violet	A	V500	28118	27108	-4	3.02	681	10.14

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22832	1.47	570	1	N/A	N/A	Pass
Blue	F	SSC	57593	1.05	521	9	N/A	N/A	Pass
Blue	E	FITC	54	54.62	488	1	0.0397	90	Pass
Blue	D	PE	115	36.61	491	3	0.3894	281	Pass
Blue	B	PerCP-Cy5-5	189	36.79	587	1	0.0194	91	Pass
Blue	A	PE-Cy7	103	71.08	629	1	0.0220	11	Pass
Red	C	APC	401	23.96	577	1	0.0286	206	Pass
Red	A	APC-Cy7	180	27.23	550	-1	0.0061	790	Pass
Violet	B	V450	62	63.54	454	1	0.0657	2722	Pass
Violet	A	V500	98	38.31	466	1	0.0255	1468	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.49	-31.33	1.11
Blue	20.35	16.28 - 24.42	1.28	1.02 - 1.52	0.00	0.00	1.42
Red	14.69	13.60 - 20.40	N/A	N/A	29.71	29.94	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 9602

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments